IRt & Final bill

Recorded on:-

Job Code No:- 005-23-000006

Est Cost:- 25.00 Lakhs

M. A. R. 57 (Rule 116)

No. D 117148

Measurement Book

Work order No:- BBMP/EE/YNK.D/EPMT-12/W.O/45/2022-23, Dated 30/12/2022

Serial No. .....

Name of work Improvements to roads and drains at Suggappa Layout and Providing Paving area in ward no-05 Yelahanka New Town Sub division.

Name of Contractor or nature of Agency SRI SHAMBASHIVA No-04, 3rd main Road, Chamundeshwari Lay Out Doddabommasandra, Vidyaranyapura, Bangalore-560097.

Date of commencement of work

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) Removing and Resetting of footpath Slab (Approved Rate) Quantity vide, As per pre-measurement are Recorded in this MB and page no of:- 117171-72:- 619.92 m²						
	@Rs. 209.67						1,29,978.62
	(2) Earth works excavation by manual or cart for drains, canals, waste weir, draft, approach channels key trenches, foundation of bridges and such similar works in all kinds of soils as per drawing and technical Specifications. Quantity vide, As per pre-measurement are Recorded in this MB and page no of:- 117172-73:- 310.80 m³						
	@Rs. 271.23						84,298.28

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(3) Providing and laying in position plain cement concrete for leveling course for all works in foundation. The granite/trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed laid in layers not exceeding 150mm thickness, well compacted using plate vibrators etc as per specifications. Quantity vide, AB per pre-measurement are Recorded in this mb and page no of:- 11/1/14 :- 6.75 m³ @RS. 4955.33						33,448.47
	(4) Supplying fitting and placing uncoated TMT bar Reinforcement in Sub Structure Complete as per drawing and Technical Specifications.						

Serial No. .....
Name of work .....
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M. A. R. 57 (Rule 116) No. D

Measurement Book

Serial No. .....

117149

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Quantity vide, As per pre-measurement are Recorded in This and page No of:- 117175:- 0.81 Tonnes CRS. 82,235.00						GGG10.35
	(5) Providing and laying in position Reinforced cement Concrete for all Sub Structures of building, irrigation works, Sub Structure courses of bridges, Drain works & other parallel works from 0.50 to 3.5000 heat. The granite/trap/basalt Crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machinemixed with Superplasticizer as per Specification.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Rcc drain :- Raft	1	30.00	1.20	0.15	5.40	
	Side walls	2	30.00	0.15	0.90	8.10	
						13.50	
						CRS. 5590	
	⑥ Providing and fixing precast reinforced cement concrete slabs of 100mm Thick made of m25 with opc cement @340 Kgs/cum with 20mm and down size graded granite metal coarse aggregate @.70 cum and fine aggregate @.044 cum with superplasticizers machine mixed ready per specifications.						
	Drain Covering slabs :-	1	12.20	0.90	-	10.98	
	missing/Damage slabs :	646	0.60	0.75	-	290.70	
						301.68	
						CRS. 1680.60	

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M. A. R. 57 (Rule 116) No. D

Measurement Book

117150

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(7) Earthworks in surface excavation by mechanical means for lowering & levelling the ground for all works other than foundations in all kinds of soils & up to depth not exceeding 300mm as per drawing and technical Specifications.						
	Quantity vide, As per prc measurements recorded in this mB and page no of:- 117175 :- 66.12 m³						3851.69
	CRS. 57.99						
	(8) Construction of Granular sub base of required grading as per design mixing in a mechanical mix plant at one Carriage of mixed						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	material to work Site, Spreading in uniform layers with motor grader on prepared Surface and Compacting with vibratory power roller to achieve the desired density Complete as per Specifications.						
	Quantity vide As per pre-measurement are Recorded in this MB and page no of:- 117176 :- 33.21 cft						69,542.40
						Cft. 2094.02	
	(9) Providing laying Spreading and Compacting graded stone aggregate to wet mix macadam Specification including premixing the material with water at one in mechanical mix plant Carriage of mixed material by tipper to Site, laying in uniform layers with paver/grader in Sub base/base course as per Specifications						

Serial No. .....
Name of work ...
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M. A. R. 57 (Rule 116) No. D 117151

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Quantity vide, AR per pre-measurement in this MB and page no of 1-			117177	1- 49.81 m³ @Rs. 2135.95		1,06,391.66

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(10) Providing and applying primer Coat with SSI grade bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.90 kg per m^2 using mechanical means. Quantity vide, AR per pre-measurement are recorded in this MB and page no:- 117178:- 221.40 m^2 8295.85 CRS. 37.47						
	(11) Providing and applying tack coat with VG-10 Bitumen using pressure distributor at the rate of 0.20 kg/m^2 on the prepared bituminous surface cleaned with mechanical brooms.						

M. A. R. 57 (Rule 116) No. D

Measurement Book

Serial No. .....

117152

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Quantity vide, AR per pre-measurement are Recorded in this mb and page no of:- 117180-81:- 1340.00 m²						14351.40
					CRS. 10.71		
(12)	Providing and laying Dense Graded Bitumminous macadam with 40/60 TPH Capacity Hmp using Crushed aggregates of Specified grading premixed with bitumminous binder VG-30, @4.5 percent by weight of total mix and filler, transporting the hot mix to worksite cleaning per specification.						

MEASUREMENT BOOK

Date	Full description etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Quantity vide, AR per pre-measurement are Recorded in this mB and page no of:- 117/79:-					11.07 m	90,263.78
						@Rs. 8153.91	
	(13) Providing and laying Bituminous Concrete with 40/60 TPH Capa-city hot mix plant using Crushed aggregates of Specified grading premixed with bituminous binder VG30, @5.4 per Cent of mix and filler, transporting the hot mix to work site cost per Specifications.						
	Sulgoppa Layout Cross Road-1:-						
		R	15.00	$\frac{5.50+5.70}{2}$	0.04	3.36	
		L	15.00	$\frac{5.70+5.75}{2}$	0.04	=3.35	

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M. A. R. 57 (Rule 116) **No. D**

Measurement Book

Serial No. .....

Name of work ..... From ..... To 117153

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
		1	11.30	$\frac{5.45+5.40}{2}$	0.04	2.45	
		1	15.00	$\frac{4.90+4.20}{2}$	0.04	2.73	
		1	15.00	$\frac{5.10+5.00}{2}$	0.04	3.03	
		1	15.00	$\frac{5.00+4.30}{2}$	0.04	2.79	
		1	15.00	$\frac{4.80+5.00}{2}$	0.04	2.94	
		1	15.00	$\frac{6.60+6.40}{2}$	0.04	3.90	
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MEASUREMENT BOOK

Date	Full description etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	15.00	$\frac{6.40+6.50}{2}$	0.04	3.87	
		1	15.00	$\frac{6.50+6.80}{2}$	0.04	3.99	
		1	15.00	$\frac{6.80+6.70}{2}$	0.04	4.05	
		1	13.60	$\frac{6.70+7.80}{2}$	0.04	3.77	
		1	15.00	$\frac{6.30+6.00}{2}$	0.04	3.69	
		1	9.00	$\frac{6.00+6.40}{2}$	0.04	2.23	
		1	3.00	$\frac{6.40+6.00}{2}$	0.04	0.38	

Serial No. .....
Name of work ...
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M. A. R. 57 (Rule 116) No. D

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

117154

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Gross road - 3	1	15.00	$\frac{5.00+4.90}{2}$	0.04	2.97	
		1	15.00	$\frac{4.90+5.00}{2}$	0.04	2.97	
		1	15.00	$\frac{5.00+5.50}{2}$	0.04	3.15	
		1	4.60	$\frac{5.50+5.10}{2}$	0.04	0.98	
						53.66 m³	
	limited to schedule B' qty :-					53.60 m³	469957.40
						Rs. 8767.75	

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	(14) Providing and laying of hot applied Thermoplastic Compound 2.5mm Thick including reflectorising glass beads @ 250 g/m² area, Thickness of 2.5mm as per IRC:35:2015 clear per specifications.						
	Gross Road 1:-	2	15.00	0.10	-	3.00	
		2	15.00	0.10	-	3.00	
		2	11.30	0.10	-	2.26	
		2	15.00	0.10	-	3.00	
		2	15.00	0.10	-	3.00	
		2	15.00	0.10	-	3.00	
		2	15.00	0.10	-	3.00	
		2	15.00	0.10	-	3.00	
		2	15.00	0.10	-	3.00	

Serial No. .....
Name of work .....
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M. A. R. 57 (Rule 116) No. D

Measurement Book

117155

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Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
	2	15.00	0.10	-	3.00	
	2	15.00	0.10	-	3.00	
	2	15.00	0.10	-	3.00	
	2	13.00	0.10	-	2.60	
	2	15.00	0.10	-	3.00	
	2	9.00	0.10	-	1.80	
	2	3.00	0.10	-	0.60	
Gross rood 3:-	2	15.00	0.10	-	3.00	
	2	15.00	0.10	-	3.00	

C&R

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	15.00	0.10	-	3.00	
		2	4.20	0.10	-	0.84	
						50.10 m²	
						@Rs. 426.48	21366.64
	(15) Cost of Haulage excluding loading and unloading for 10t load and lead 10 km = 100 tkm etc as per Specification.						
	Quantity vide item No: (2) :- 310.80 m³						
	Quantity vide item No: (7) :- 66.42 m³						
	Limited to Schedule Qty:- 401.05 m³					377.22 m³ × 1.28 = 482.84 m³	
						@Rs. 85.65	34349.93

Serial No. .....
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Name of Contractor of
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M. A. R. 57 (Rule 116) No. D

Measurement Book

117156

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Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					Sub Total RS:-		17,15,181.56
					Add 18% of GST RS:-		308732.68
					Grand Total RS:-		20,23,914.24

CERTIFICATE:-

1) Certified That the above work done is Satisfactory Completed.

2) Certified That the, There is no debries, have been cleared to site.

18/03/2023

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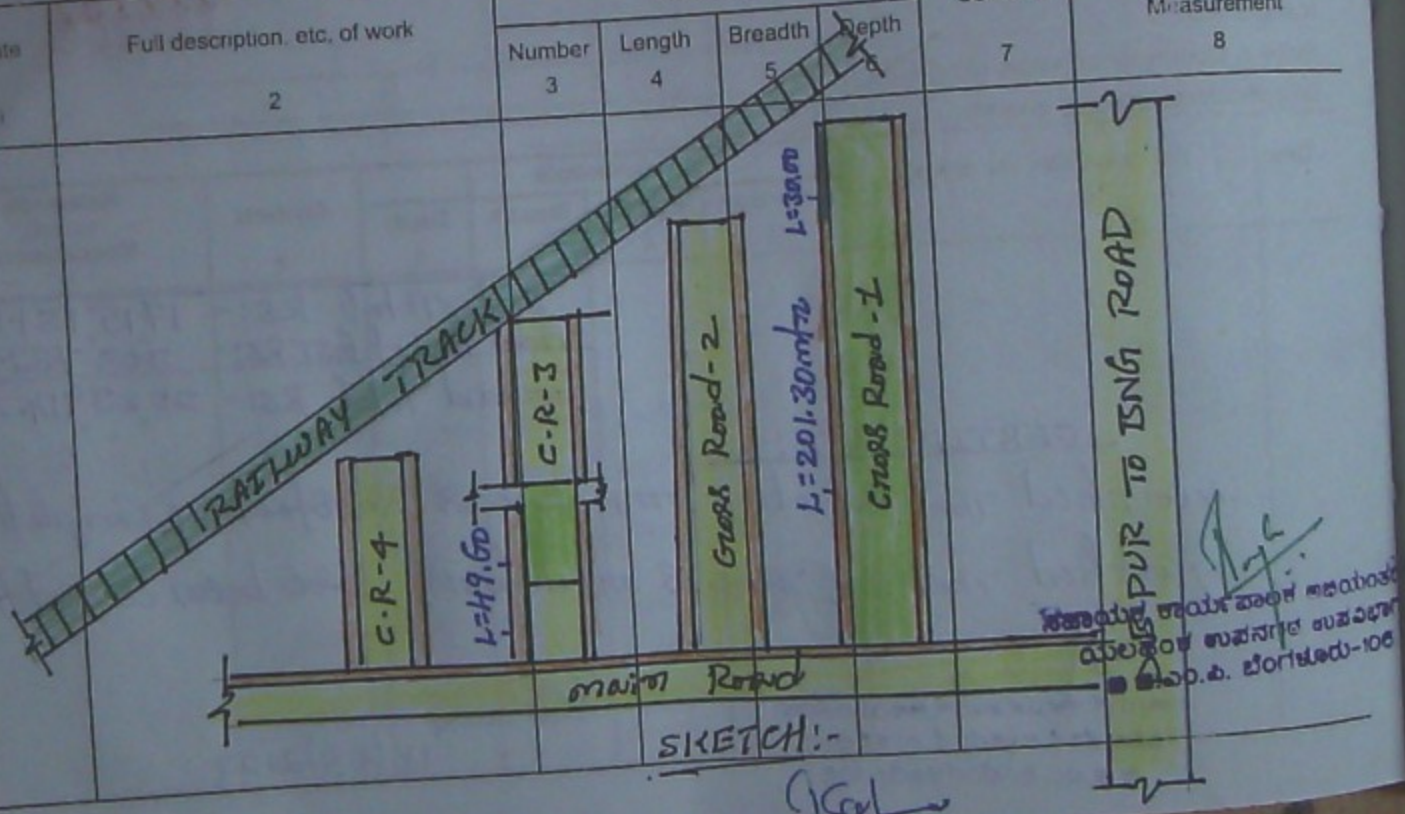
MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Serial No. .....
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M. A. R. 57 (Rule 116) No. D

Measurement Book

117157

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Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
INDEX						
☐ - BC Roads						
☐ - R & R work						
☐ - Existing Roads						
☐ - Rec drain						

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	I/c Final					Job Code - 005-23-000006 SBRNO - 14/23-24 DH - 1/8/24	

Bill Amount ....
(+) GST ....
TOTAL 2023000:00
Less :
I.Tax 20230:00
SGST 17152:00
CGST 17152:00
BCWWC 20230:00
CBF 2023:00
ROYALTY 3100:00
FINE ....
FSD ....
OTHERS ....
TOTAL DEDUCTIONS 79887:00
NET PAY 1943113:00

Audited & Admitted For Rs. 2023000:00
By Ch Rs: 1943113:00 (In Words) ....
And by Adjustment
For Rs. 79887:00

Account Student

Exe Engineer
B B.M.P Bangalore